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# BNL Environmental Management System

## Results of Site-wide ISO 14001 Registration Audit

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Presented to ESH Coordinators, 7/11/01

# Site-wide ISO 14001 Registration Audit: Summary

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## Registration Audit Completed 6/18 – 6/22/01

- Conducted in three phases for a total of 26 audit-days
- Encompassed {*a sampling of*} all operations, facilities, and experiments managed by BSA at BNL
- Smooth process, thanks to planning & cooperation of staff
- Findings:
  - 9 minor nonconformances
  - 7 observations/opportunities for improvement
  - 14 noteworthy practices
  - 23 previous nonconformances verified & closed
- NSF Audit Team has “recommended BNL for ISO 14001 registration”
  - Awaiting final approval by NSF management for registration determination

***Confident that BNL will achieve its goal to obtain ISO Registration before 9/30/01 and achieve “Outstanding” rating on contract performance measure***

# Site-wide ISO 14001 Registration Audit: Findings

## Findings:

2 - Monitoring/Measurement

3 - Document Control

1 - Records

1 - Training

3 - EMS Audit

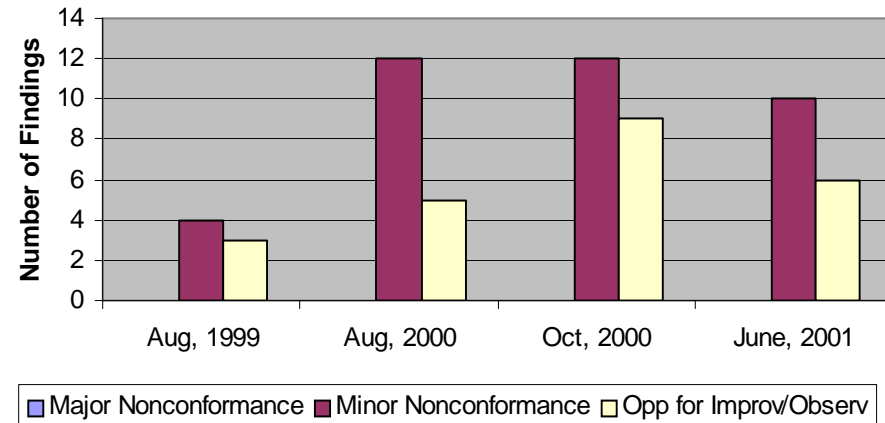
*Relatively few findings for a facility of BNL's size & complexity*

*Focus needed on controlling web-based document systems*

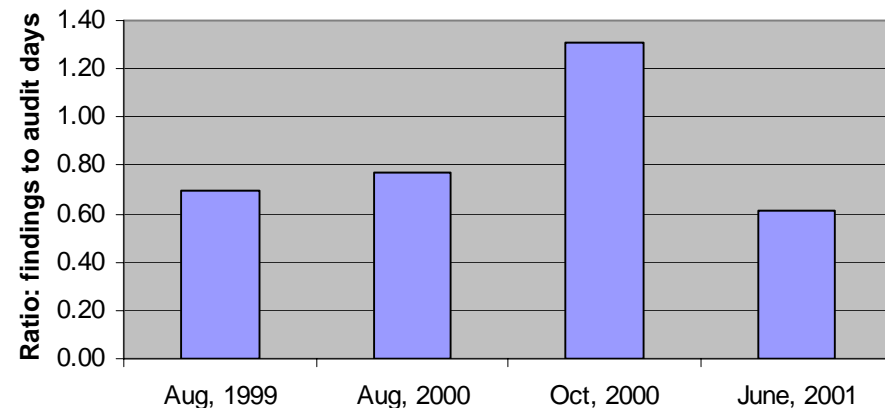
*EMS Program maturity evidenced by decreasing number of findings*

Brookhaven Science Associates  
U.S. Department of Energy

ISO 14001 Audit Findings  
Identified by Independent Registrar



ISO 14001 Audit Findings by Registrar  
Normalized by Number of Audit-days



# Site-wide ISO 14001 Registration Audit: Noteworthy Practices

## n 14 "Positive Practices" identified

- Use of computer technology- SBMS email notification system, ATS, BTMS, *CCTS* ★
- *Communications & Trust Advisory Panel* ★
- NSLS EMS Records matrix linked to Site-specific Records Retention Schedule
- NSLS "EMS, FUA, SAD/ASE Checklist for NSLS Project Reviews"
- ESHQ: QA Analysis of Analytical Techniques; Environmental Protection Priorities
- CAD EMS Assessment Checklist
- PE method of identifying & tracking of objectives/targets/performance measures

## n NSF Audit Team "*Firsts*":

- *Largest Audit Team, Longest Audit Schedule, Biggest Audit Reports*
- *Most documented EMS*
- *Highest Attendance at Meetings*
- *Most noticeable Cultural Change*
- *People asked to be included in audit schedule*
- *Deliberated more than anyone else*
- *Most thoroughly and systematically implemented EMS*



# Site-wide ISO 14001 Registration Audit: Next Steps

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- n EMS Reps to develop Corrective Action Plans
- n Upon approval of CAP by NSF, expect official receipt of ISO 14001 certificate in 8/01
- n Celebrate and recognize efforts of EMS Teams
- n *Continue efforts to maintain, streamline, reap benefits, and continually improve the BNL EMS Program*

